PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference	FOR FURTHER ACTION See Form PCT/IPEA/416					
HH/CS 51256						
International application No.	International filing date (day/month/year)	Priority date (day/month/year)				
PCT/SE2003/002011	18-12-2003	·				
International Patent Classification (IPC) or	national classification and IPC					
H04Q 7/38 // H04B 7/212, H04Q 7/36						
Applicant						
Telefonaktiebolaget LM Ericsson (publ) et al						
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 						
2. This REPORT consists of a total of 3 sheets, including this cover sheet.						
This report is also accompanied by						
	11 (11)22125, comprising.					
a. (sent to the applicant	and to the International Bureau) a total of	sheets, as follows:				
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
		ority considers contain an amendment that goes				
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.						
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))						
form only as in direct	, containing a sequence listing	ng and/or tables related thereto, in electronic				
Administrative Instruc	in the Supplemental Box Relating to Sequations).	ence Listing (see Section 802 of the				
4. This report contains indications relating to the following items:						
l <u></u>	the report					
Box No. II Priority						
	•••					
		, inventive step and industrial applicability				
Box No. IV Lack of	unity of invention					
applicab	d statement under Article 35(2) with regard ility; citations and explanations supporting	to novelty, inventive step or industrial such statement				
Box No. VI Certain of	locuments cited	•				
Box No. VII Certain o	lefects in the international application					
Box No. VIII Certain o	observations on the international application	ı				
Date of submission of the demand	Date of completic	of this area				
	Date of complete	on or this report				
22-06-2005		_				
	08-11-200					
Name and mailing address of the IPEA/SE Patent- och registreringsverket	Authorized office	r				
Box 5055						
S-102 42 STOCKHOLM	Åsa Ryder					
Facsimile No. +46 8 667 72 88 Form PCT/IPEA/409 (cover sheet) (April 2	(2005)	46 8 782 25 00				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/002011

Вох	No. I	Basis of the report				
1. With regard to the language, this report is based on:						
	the international application in the language in which it was filed					
		a translation of the international application into				
		which is the language of a translation furnished for the purposes of:				
		international search (Rules 12.3(a) and 23.1(b))				
		publication of the international application (Rule 12.4(a)) international preliminary examination (Rules 55.2(a) and/or 55.3(a))				
2.	2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):					
	\boxtimes	the international application as originally filed/furnished				
		the description:				
		pages as originally filed/furnished				
		pages* received by this Authority on pages* received by this Authority on				
	 1	pages* received by this Authority on				
	Ш	pages as originally filed/furnished				
		pages* as amended (together with any statement) under Article 19				
		pages* received by this Authority on				
		pages* received by this Authority on				
		the drawings:				
		pages as originally filed/furnished				
		pages* received by this Authority on pages* received by this Authority on				
	П	a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.				
	_	·				
3.		The amendments have resulted in the cancellation of:				
·		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not be made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Ro 70.2(c)).				
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
	If iten	1 4 applies, some or all of those sheets may be marked "superseded."				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/002011

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; Box No. V citations and explanations supporting such statement Statement YES Novelty (N) Claims Claims YES Claims Inventive step (IS) NO Claims YES Industrial applicability (IA) Claims 1-21 NO Claims

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: US6594250 D2: WO02096149 D3: US6038238

D3: US6038238 D4: WOO191495

D5: "Efficient broadcast frequency utilization - a key to high capacity cellular networks" (Tynderfeldt 2003)

D1 and D2 were marked as X-documents in the International Search Report. They both show the use of additional/dummy bursts in a broadcast channel for base station identification. However, they do not show the channel state check and the conditioned transmission of the base station specific training sequence.

Therefore, the cited documents represent the general state of the art.

The invention defined in claims 1-21 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed method and apparatus for channel state conditioned transmission of dummy bursts on a broadcast frequency, which dummy bursts comprise a base station specific training sequence, which enables base station identification. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-21 is novel and is considered to involve an inventive step. The invention is industrially applicable.